

# **Perspectives of the U.S. ATLAS Host Laboratory**

**Presented to the  
U.S. LHC  
Joint Oversight Group**

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# Update on US ATLAS Laboratory Oversight

- **Continuing US ATLAS Project Oversight Activities**
  - PAP attendance at 3/21-22/02 PM Review and PAP recommendations
  - ALD and PAP oversight of the U.S. ATLAS Project and Research Program
  - monitoring of US ATLAS Monthly Reports for progress updates
  - periodic discussions between BNL ALD and US ATLAS managers
  - Tier 1 Regional Center for ATLAS Computing and relationship to RCF at BNL
  - BNL's role as Host Laboratory for the US ATLAS Research Program
- **New BNL Oversight Activities for US ATLAS (JOF, JWL, et. al to JHM, Fall 2000)**
  - US ATLAS Research Program
  - planning and preparation for research with the ATLAS Detector
- **Assurance for DOE and NSF that the US ATLAS Project is proceeding effectively and steadily to the agreed-upon goals and that the future running of the ATLAS research program will properly benefit the US participants**

# LHC Related Items and Issues at BNL

- **Budget Shortfalls for LHC Research Program in FY03 and FY04**

- the ATLAS Computing Project is threatened with large cuts in budget
- U.S. ATLAS project funding supports only mechanical installation of deliverables
- U.S. provided detector elements fear inadequate funds for commissioning
- maintenance of equipment at CERN poses a budget problem given LHC delay

- **LHC Facility Schedule Slippage**

- provides some additional float in U.S. ATLAS subproject schedules
- will not contravene optimum schedules for U.S. detector element completion
- presents the problem of equipment maintenance prior to use in LHC operations

- **Current Issues in US ATLAS**

- some technical issues in TRT and Pixel subsystems - being addressed
- maintenance and operations plans and cost estimates not yet mature
- progress in the US ATLAS Computing Project threatened by budgets
- discussion of a BNL-based ATLAS Physics Analysis Center is active